

### **Amendments to the Specification**

Please add a new paragraph after paragraph [0019]:

[0019.1] FIG. 11 is a top view of an exemplary embodiment wherein the aperture assembly of Fig. 10 includes multiple sections with different boundary shapes.

Please replace paragraph [0028], with the following rewritten paragraph:

[0028] In another embodiment, the collimator further comprises an aperture assembly 10, configured to provide an adjustable geometry aperture 11 as shown in Fig 10. In a more specific embodiment, the aperture assembly has at least one side 19 movable rotationally, translationally, or a combination thereof, generally shown by the directional arrow 17.

Please replace paragraph [0029], with the following rewritten paragraph:

[0029]Alternatively or additionally, the aperture assembly comprises a plurality of movable sides 19. In another embodiment the aperture assembly comprises multiple sections 30 as illustrated in Fig. 11, with different boundary shapes that can be independently positioned to form an adjustable geometry aperture as described in reference to the above embodiments. Further in another embodiment the multiple sections can have linear boundaries that can be independently positioned. Another embodiment comprises a plurality of sides movable both rotationally and translationally. The aperture assembly typically comprises a radiation absorbing material such as tungsten or some other high atomic number (greater than about 74, for example) material and is adapted to adjust aperture geometry to limit radiation incident on the detector to the predetermined exposure area.